

# List of Preparers

## **LIST OF PREPARERS**

**CHARLES C. ALTON**, Project Manager, Bonneville Power Administration. Responsible for: overall document preparation. Education: M.S., Public Administration; B.S., Sociology. BPA – 22 years: Environmental Special Projects Manager, 5 years; Supervisor for Environmental Strategy and Planning Staff, 5 years; Environmental Coordinator and Supervisor for Office of Energy Resources, 5 years; Environmental Specialist for Energy Conservation and Renewable Energy, 5 years.

**KENNETH C. BOIRE**, Reviewer, Consulting Economist Inc. Responsible for: independent technical review of economic and social analysis and related planning applications. Education: M.A., Public Administration; B.A., Economics. Experience in analysis of multiple-purpose water resource projects. President of Consulting Economist Inc., 5 years; U.S. Army Corps of Engineers Chief of Economics at the North Pacific Division, 14 years; Chief of Policy and Long-range Planning at the Corps North Pacific Division, 1 year; Chief of Economic and Social Analysis at the Corps Portland District, 6 years; Chief of Plan Formulation at the Corps Portland District, 1 year; Staff economist at the Corps in Seattle and Walla Walla, 6 years.

**ERICH R. BRANDSTETTER**, Senior Environmental Scientist, Harza Engineering Company. Responsible for: draft sections including exotic species, marine impacts, hatcheries, “Enlibra,” plus general review. Education: Ph.D., Ecology; M.S., Mathematics; B.A., Integrated Science. Expertise: 16 years experience in environmental analysis and regulation.

**SARAH BRANUM**, Environmental Specialist/Bonneville Power Administration. Responsible for: final editing. Education: B.S., Environmental Studies. Experience: environmental analysis and NEPA process at BPA since 1999.

**JEAN EDWARDS**, Biologist/Fisheries Consultant. Responsible for: technical and policy content (Columbia River basin fisheries). Education: B.A., Zoology. Experience: 24 years tribal and non-tribal fisheries management, policy development, public involvement and legislation.

**KATHY FISHER**, Environmental Specialist/Bonneville Power Administration. Responsible for: Chapter 2 information and information on the Action Agencies’ (Bonneville Power Administration, U.S. Army Corps of Engineers, and the U.S. Department of Interior, Bureau of Reclamation) Endangered Species Act Implementation Plans for the 2000 NMFS and USFWS Biological Opinions. Education: B.A., Economics. Experience: Forest Planning, Environmental Coordination, Project Management; with BPA since 1992.

***Fish and Wildlife Implementation Plan EIS***  
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**RICHARD A. HINRICHSSEN**, Biometrician, Hinrichsen Environmental Services. Responsible for: review of life-cycle modeling. Education: Ph.D., Quantitative Ecology and Resource Management, M.S., Mathematical Sciences, B.S., Mathematics. Expertise: 13 years of experience in analyzing and modeling juvenile salmon migration and survival, and developing salmon life-cycle models.

**BRUCE HOLLEN**, Environmental Scientist/CH2M HILL. Responsible for: Compiling benefit and cost information for fish and wildlife program activities. Education: B.S., Biology. Experience: 10 years in wildlife survey development and implementation, habitat assessment, and environmental documentation, including Biological Assessments under the Endangered Species Act and NEPA; contractor to Bonneville.

**DEBBIE A. HOLLEN**, Natural Resource Specialist, Bonneville Power Administration. Responsible for: review and input regarding impact on and by transmission facility maintenance. Education: B.S. Freshwater Fisheries, Experience: 13 years Vegetation Management, and Land Management Planning, with BPA since 1999.

**AMY HOPPER**, Environmental Planner/CH2M HILL. Responsible for: Descriptions of stakeholder agencies and organizations. Education: B.A., Public Administration. Experience: 6 years in public involvement, NEPA, and land use regulations; contractor to Bonneville.

**MARY LOUISE KEEFE**, Senior Fisheries Scientist, HARZA Engineering Company. Responsible for: technical input regarding upper Snake River and upper Columbia River stocks. Education: Ph.D. Biological Sciences; B.A., Biology. Expertise: 15 years experience in fisheries investigations, Endangered Species Act, and agency consultation, including 8 years with Oregon Department of Fish & Wildlife on resident and anadromous salmonids, fish migration, chemosensory behavior, and hatchery operations.

**MARV LANDAUER**, Principal Engineer for Network Strategy Development, Bonneville Power Administration. Responsible for: transmission system impacts due to the proposed measures. Education: B.S., Electrical Engineering. BPA – 25 years.

**STEVE MADER**, Environmental Scientist/CH2M HILL. Responsible for: natural resources assessments. Education: Ph.D., Forestry; M.S., Silviculture; B.S., Forest Biology. Experience: 19 years in natural resource policy and management, environmental regulations, ecological functions and values; contractor to Bonneville.

**DEBRA MALIN**, Environmental Specialist. Responsible for: air quality and energy resources data and analysis. Education: M.S., Public Health; B.S., Cellular Biology. Experience: environmental consulting and BPA since 1988.

**ROGER MANN**, Consultant, Principal/RMecon. Responsible for: economics, funding content. Education: Ph.D., Economics and Agricultural Economics; M.S., Agricultural and Resource Economics; B.S., Agricultural and Resource Economics. Experience: 25 years natural resources and water resource economics, contractor to Bonneville.

**KELLY MASON**, Environmental Specialist, Bonneville Power Administration. Responsible for: contributions to Appendix I and general editing. Education: B.S. Integrated Natural Resources, M.A. Sustainable International Development. Experience: 2 years environmental policy analysis and emissions/energy auditing.

**MICHAEL S. MAYER**, Fish and Wildlife Biologist, Bonneville Power Administration. Responsible for: technical content. Education: J.D., M.S. Wildlife and Fisheries Conservation, B.S. Wildlife and Fisheries Biology. Experience: 6 years in wildlife and fisheries biology; 2 years in legal research, writing and editing.

**ROBIN McCLINTOCK**, Cultural Resource Specialist/CH2M HILL. Responsible for: Cultural and historical resource assessments. Education: B.S., Anthropology. Experience: 14 years in archeology, cultural resource surveys, NEPA, NHPA, and Executive Order 11593; contractor to Bonneville.

**JUDITH H. MONTGOMERY**, Writer, Judith H. Montgomery/Communications. Responsible for: writing and editing. Education: Ph.D., American Literature, M.A. and B.A., English Literature. Experience: writing and editing of environmental and public involvement documents for power agency; consultant to Bonneville since 1980.

**MOLLY MORELAND**, Environmental Specialist/Bonneville Power Administration. Responsible for: technical content and policy analysis, compiling and documenting regional proposals. Education: B.S., Combined Sciences. Experience: 3 years environmental analysis and NEPA process, 3 years teaching chemistry and mathematics.

**CHARLES M. PAULSON**, Master of Environmental Management, B.A., Political Science. Responsible for: review of technical comments on PATH and written portions in Chapter 2. Expertise: 20 years experience in quantitative analysis of environmental policy and decisions, and member of the Technical Team for PATH (Plan for Analyzing and Testing Hypotheses).

**KATHERINE SEMPLE PIERCE**, Ecologist/Bonneville Power Administration. Responsible for: technical content and public involvement. Education: M.F., Forest Ecology; B.A. Biology, B.S. Forest and Wildlife Ecology. Experience: 22 years environmental analysis and NEPA process.

**JOHN J. PIZZIMENTI**, Senior Scientist and Partner, Harza Engineering Company. Responsible for: reviewing technical fish and wildlife material in document, and member of the environmental analysis team for Chapter 5. Education: Ph.D. Biology, Experience: Harza 20 years. Teaching/Research 12 years: University of Illinois, Field Museum, University of Chicago, University of Kansas. Expertise in fisheries, hydroelectric power, water quality, and environment.

**BETSY A. TORELL**, Wildlife Biologist, Harza Engineering Company. Responsible for: contributions to Chapter 3 and Chapter 5. Education: B.S., Wildlife Science. Experience: 9 years in wildlife and fisheries biology and consulting.

**P. BENJAMIN UNDERWOOD**, Attorney and NEPA Consultant, Global Environmental Solutions. Responsible for: reviewing the documentation and overall process for compliance with NEPA. Education: J.D. University of Richmond Law School, B.S. Economics, Clemson University. Experience in providing advice and guidance on NEPA processes throughout the United States for the last 14 years.

**DAVID WELCH**, Head, High Seas Salmon Research Program, Dept. of Fisheries and Oceans (DFO) Canada. Responsible for: Appendix F, global warming and ocean conditions and review of Chapter 2 information on ocean effects. Education: Ph.D. Oceanography (Fisheries Management). B.S., Biology and Economics. DFO – 17 years. Experience includes Co-Chair, Census of Marine Life Program, “*Pacific Ocean Salmon Tracking*” and PICES Co-Chair, “*Carrying Capacity and Climate Change Implementation Plan.*”

**DON WOLFE**, Bulk Power Hub/Bonneville Power Administration. Responsible for: Analysis of effect of market contingencies on program responses. Education: J.D.; B.A. Psychology. Experience: 9 years in NEPA analysis/20 years at BPA.

**NICOLE RUHLEDER ZEHNTBAUER**, GIS Professional/Bonneville Power Administration. Contractor NSRI. Responsible for: Geographic Information System (GIS) analysis/mapping. Education: B.A., Geography. Experience: 9 years in GIS field/6 years at BPA.